

Title (en)
OIL WELL PIPE MARTENSITIC STAINLESS SEAMLESS STEEL PIPE AND PRODUCTION METHOD FOR SAME

Title (de)
NAHTLOSES ROHR AUS MARTENSITISCHEM EDELSTAHL FÜR ÖLBOHRLOCH UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TUYAU SANS SOUDURE EN ACIER INOXYDABLE À BASE DE MARTENSITE POUR TUBAGE DE Puits DE PÉTROLE, ET PROCÉDÉ DE FABRICATION DE CELUI-CI

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Application
EP 18861269 A 20180904

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Abstract (en)
The invention is intended to provide a martensitic stainless steel seamless pipe for oil country tubular goods having a yield stress of 758 MPa (110 ksi) or more, and excellent sulfide stress corrosion cracking resistance. A method for manufacturing such a martensitic stainless steel seamless pipe is also provided. The martensitic stainless steel seamless pipe for oil country tubular goods having a yield stress of 758 MPa or more has a composition that contains, in mass%, C: 0.010% or more, Si: 0.5% or less, Mn: 0.05 to 0.24%, P: 0.030% or less, S: 0.005% or less, Ni: 4.6 to 8.0%, Cr: 10.0 to 14.0%, Mo: 1.0 to 2.7%, Al: 0.1% or less, V: 0.005 to 0.2%, N: 0.1% or less, Ti: 0.06 to 0.25%, Cu: 0.01 to 1.0%, and Co: 0.01 to 1.0%, in which C, Mn, Cr, Cu, Ni, Mo, W, Nb, N, and Ti satisfy the predetermined relations, and the balance is Fe and incidental impurities.

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